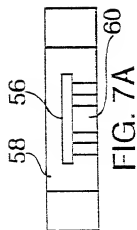
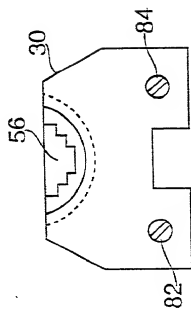
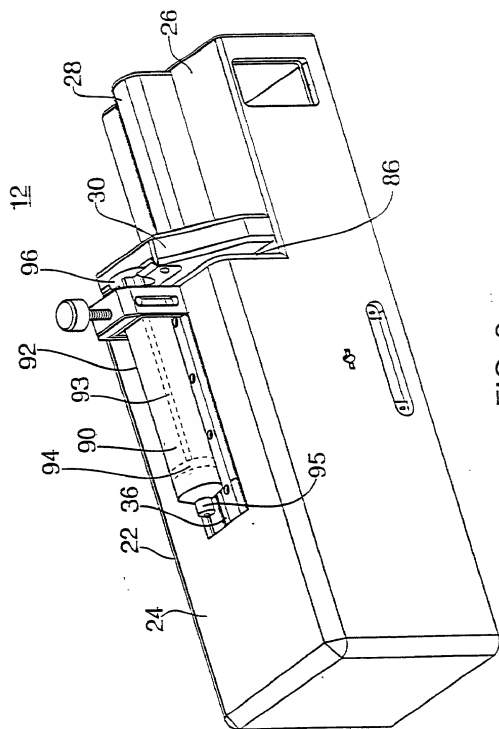


FIG. 1





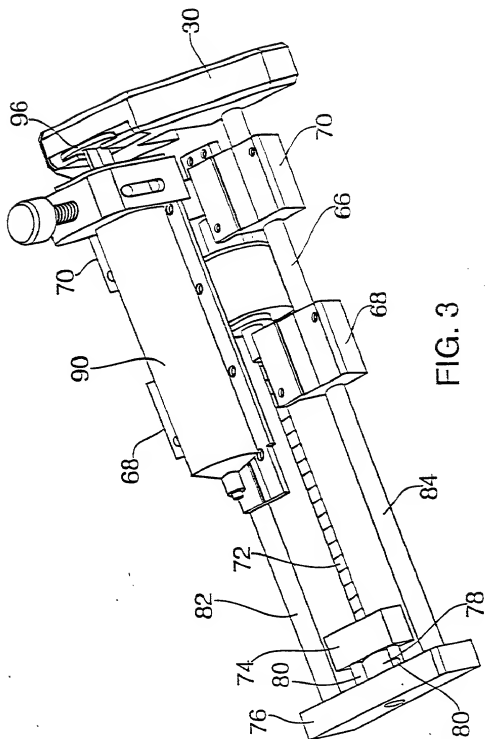


FIG. 3

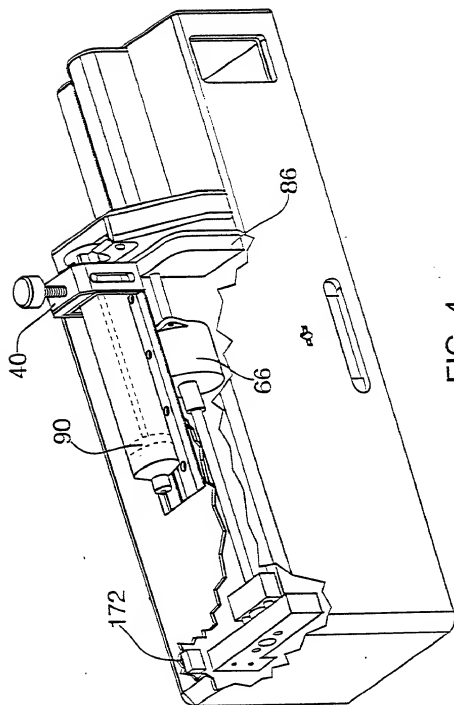


FIG. 4

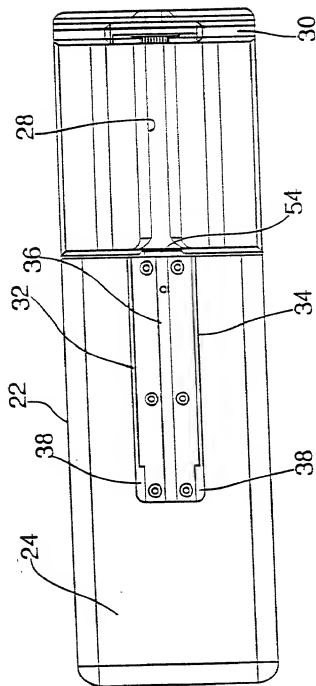


FIG. 5A

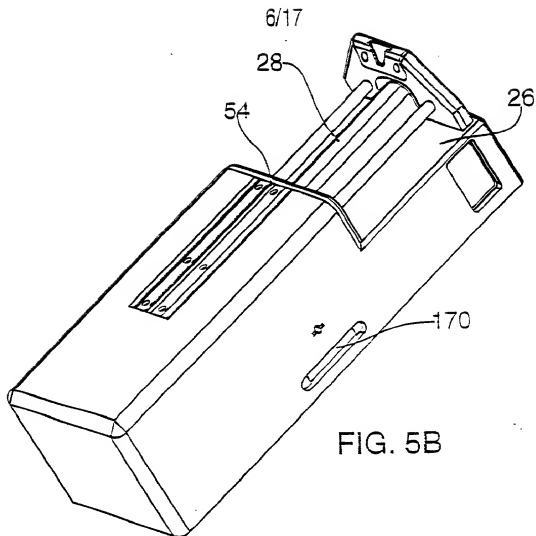


FIG. 5B

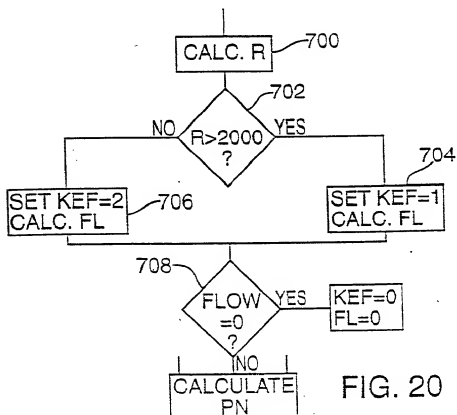
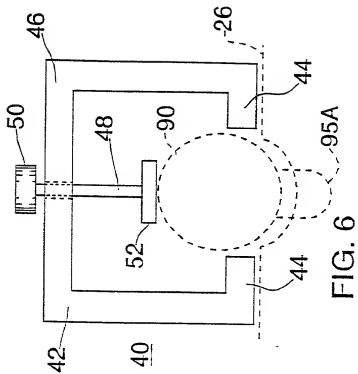
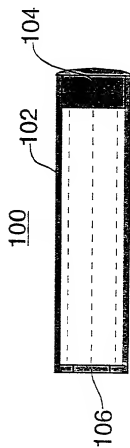
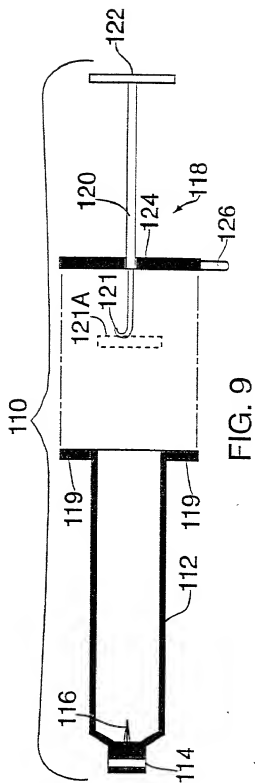


FIG. 20



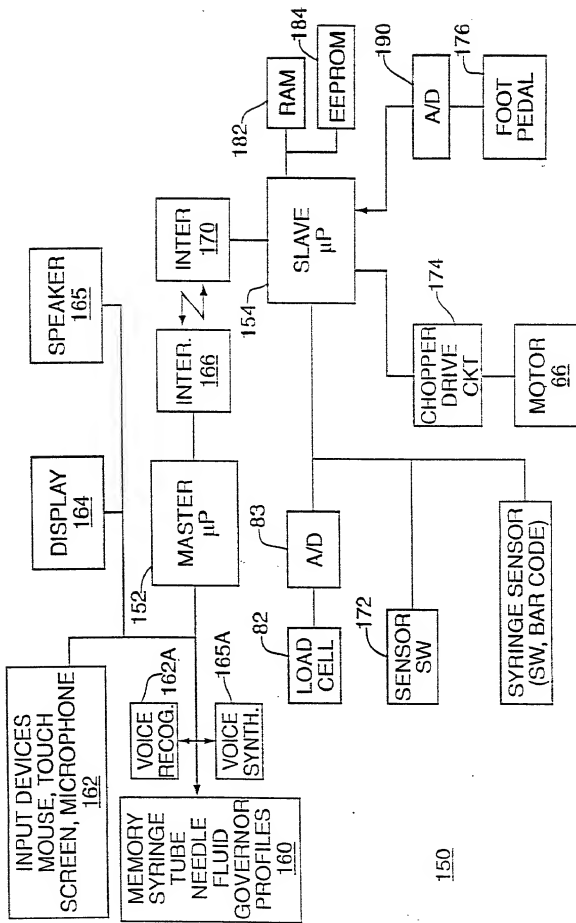
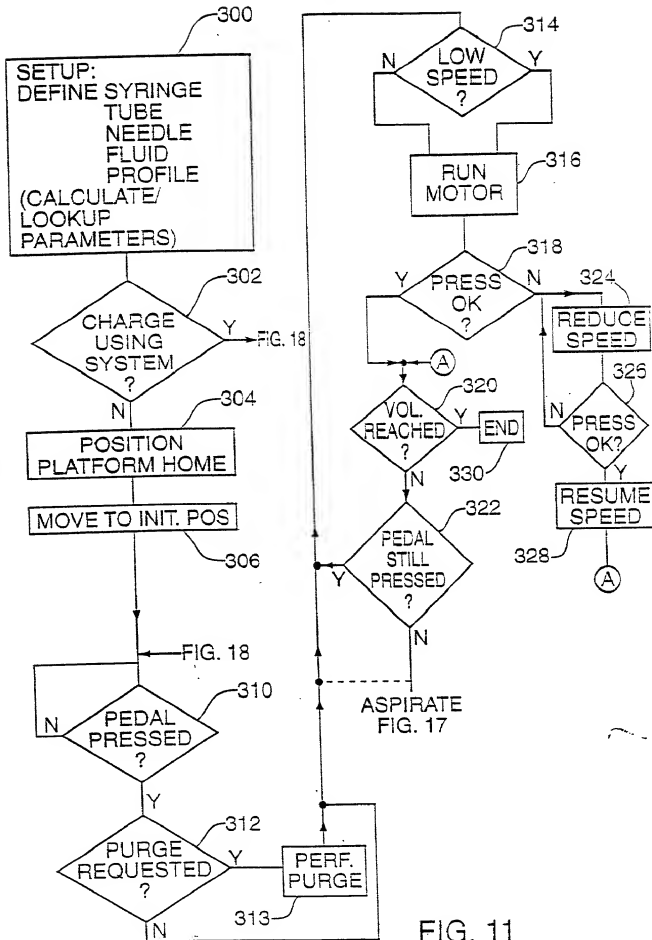


FIG. 10



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Milestone Database Setup

Syringe

IType	Stroke Length	Syringe Force	Nominal Volume (CC)	Full Point
1102CC	1.94	0.5	1.8	
1030CC	2	0.33	3	2.5
1050CC	1.75	1	5	2.8
1100CC	2.51	1.3	10	2.19
1200CC	2.78	1.8	20	1.65

Needle

IType	Gage	Diameter	Length
1BD-305129	30	0.016	1
BD-305136	27	0.02	25
DB-33333			
DD-224			
ascsat	23	33	23

Fluid

IType	Viscosity	Specific Weight
XIGov	0.00001	0.002
Hogv Fluid	1	2
ASspon	1	5

Tube

IType	Diameter	Length
11Condu	0.674	0.329
ITube#1	0.015	54
ITube#2	0.015	66

Machine Constants

Force Travel	Max Force	Zero Adjust	Throttle Back	Scale Factor	Time	Force Zero	Low End	Low Start	High End	High Start	High Adjust
1	0.5	4.5	40	2	0.75	27	0.1				

Machine Profile Setup Screen
Set Values for Components of Delivery System
Setup Variable for Machine

FIG. 12A

11/17

506

Milwaukee Scientific (Profile Setup)

File Edit Search Run

506

Release 2.1

VOLUME

General

Test Profile Name Test1

Last Date Modified 10/6/99

Last Time Modified 9:07:35AM

System Sizes

Syringe

Needle Volume 60 CC

Syringe Volume 425 in

Syringe Force 275 in

Full Pull 0.2 in

Needle

Gauge 21

Length 1.25 in

Diameter 0.02 in

Tube

Tube ID 1

Length 64 in

Diameter 0.015 in

Fluid

Batch 0001

Viscosity 0.002

Specific Weight 0.002

sluggable tech

Values

☐ Insulid

Control

Type Infusion

Low Flow 4 CC/Sec

High Flow 0.5 CC/Sec

Pressure Limit 40 PSI

Additional

Charge Flow 0.5 CC/Sec

Indicator 1 CC

Aspirate

Volume 0.001 CC

Flow 0.001 CC/Sec

Dwell 2 Sec

Purge

Volume 1 CC

Flow 0.2 CC/Sec

Physiologic Source

Electrocardiogram Y

Specifics

Volume 60 CC

☐ Charge

☐ Charge w/Air

☐ Charge w/o Air

☐ Aspirate

☐ No Aspirate

Calculations

Needle Volume 60 CC

Tube Volume 60 CC

System Volume 60 CC

Volume Step (0.025 in.) 60 CC

Max Pressure (Low Flow) PSI

Max Pressure (High Flow) PSI

Max Flow CC/Sec

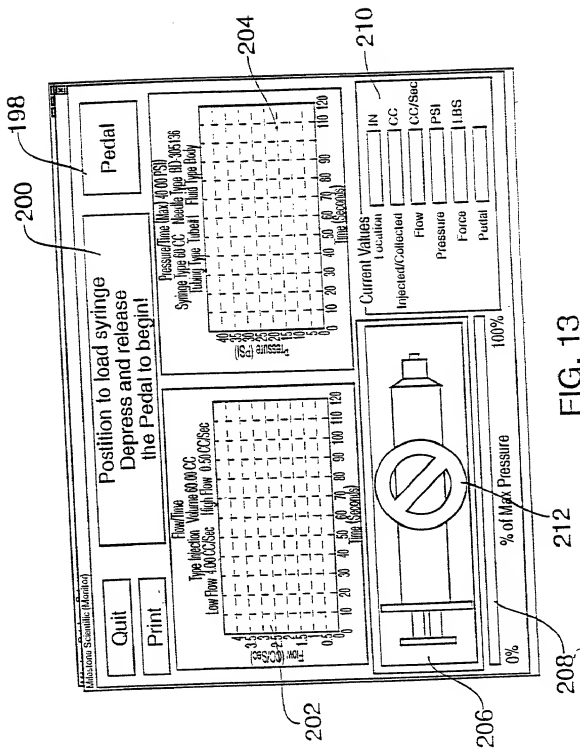
510

FIG. 12B

502

504

12/17



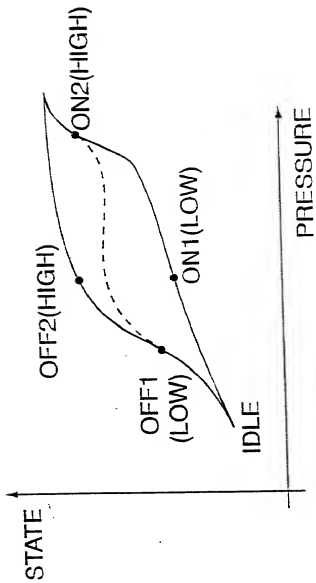
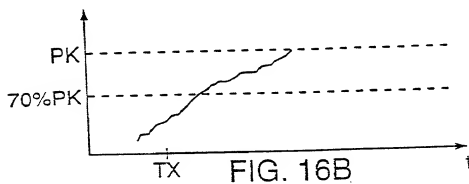
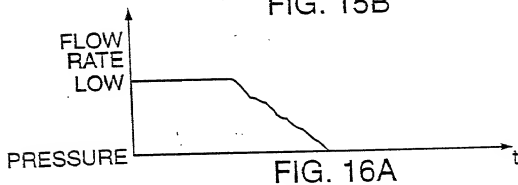
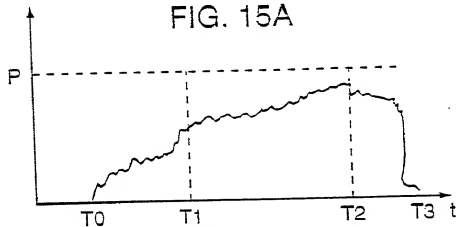
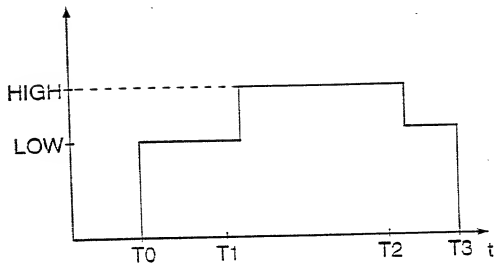


FIG. 14



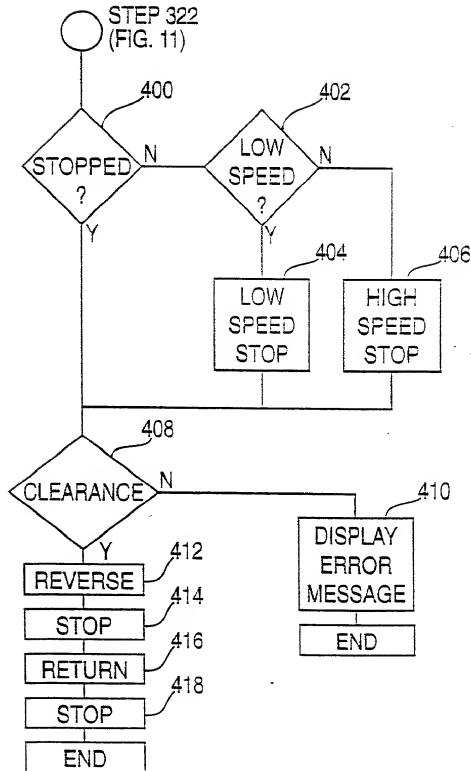


FIG. 17

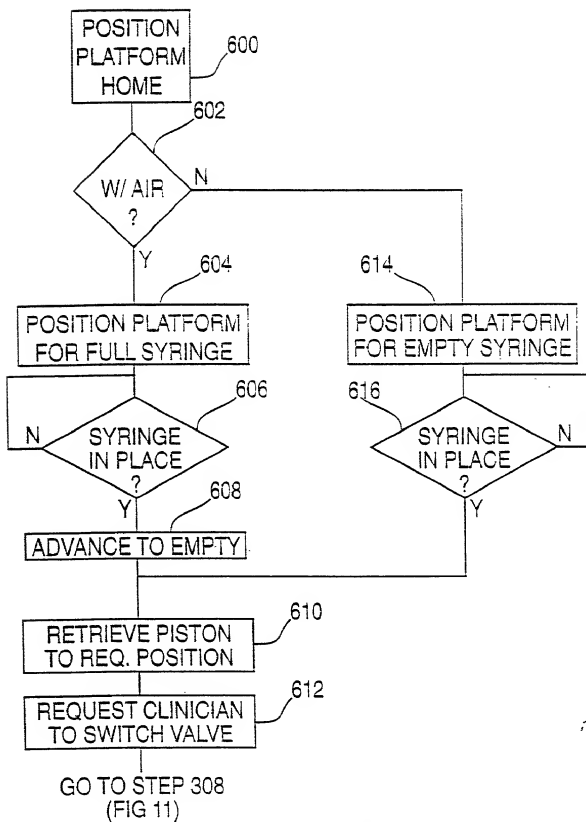


FIG. 18

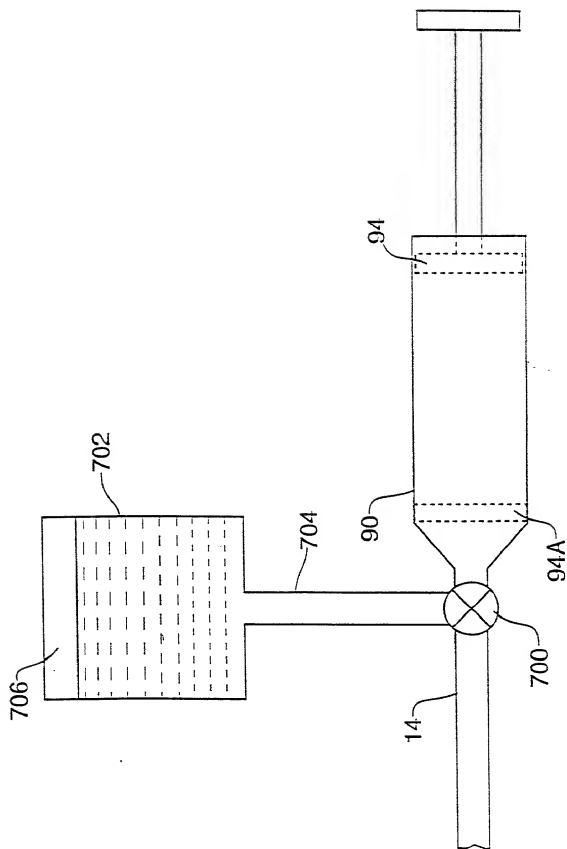


FIG. 19